

ABSTRACT

Nowdays, digital standard wireless continous to make development on capacities, coverage, quality and data rates. Continous development have shown some result on better functionality of GSM (Global System for Mobile Communication) network, later then GPRS (General Packet Radio Service), GPRS enabled service “packet switch data” with “full mobility” in very wide coverage.

GPRS is an utilized technology for service of wireless data, such as wireless internet as well as intranet and also multimedia services. Ordinary GPRS also be reffered as GSM-IP(Internet Protocol) since will connect consumer with ISP (Internet Service Provider).

Analys model at a cell in multiservice GPRS network used to investigate influence of volume internet traffic and its characteristic at important performance parameters such as probability of blocking call and handover, network utility, and average bit rate each services.

With improvement of volume internet traffic that will not make worse a new probability of blocking call and handover at voice, however will degrade obtained by average bit rate of internet customer and will improve network utility

Key words: GPRS, “Packet Switch”, Multiservice, Internet Traffic, Analys of performance